Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/18/2019 11:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123778	-1	1.58	123850	1.58
Blue	F	SSC	125000	124999	-1	2.96	125815	2.90
Blue	E	FITC	16694	16234	-3	3.35	377	21.77
Blue	D	PE	32792	32300	-2	2.51	712	16.20
Blue	B	PerCP-Cy5-5	44451	44134	-1	4.37	1209	23.67
Blue	A	PE-Cy7	33645	33835	0	6.91	609	48.81
Red	C	APC	47008	46934	-1	2.98	1806	13.80
Red	A	APC-Cy7	32298	32013	-1	2.83	799	14.24
Violet	B	V450	8961	8573	-5	4.19	475	14.28
Violet	A	V500	32726	31363	-5	3.94	754	11.57

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20064	4.76	606	-7	N/A	N/A	Pass
Blue	F	SSC	56461	2.32	576	8	N/A	N/A	Pass
Blue	E	FITC	64	75.85	564	1	0.0169	266	Pass
Blue	D	PE	140	58.36	568	2	0.1366	314	Pass
Blue	B	PerCP-Cy5-5	223	58.71	674	3	0.0069	76	Pass
Blue	A	PE-Cy7	119	122.31	730	4	0.0087	28	Pass
Red	C	APC	412	28.86	616	3	0.0176	67	Pass
Red	A	APC-Cy7	196	32.23	588	3	0.0045	1033	Pass
Violet	B	V450	70	70.71	479	-7	0.0494	2729	Pass
Violet	A	V500	109	41.51	489	-7	0.0186	1286	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.36	-32.08	1.09
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.02	13.60 - 20.40	N/A	N/A	29.50	29.70	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10978

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments